

Dredge Sugar Island								
Project Name/Location:				Contract Number: W9127N-05-C-0012				
Columbia River Channel Improvement - RM 95+00-104+20.								
Date: 12/05/2005								
<div>Dredging</div> <div>Load Number</div> <div>1501</div> <div>Tidal Stage</div> <div>Ebb</div> <div>Dredge State:</div> <div>Overflow through skimmers only</div> <div>Weather:</div> <div>Foggy</div> <div>Wind:</div> <div>0-5 kts</div> <div>Seas:</div> <div>0-1'</div> <div>Disposal location</div> <div>Columbia River RM 101</div>	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)	
	DR-1	21.1	7:41:14	7622725.92	753707.38	8.2		
	DR-2	20.2	7:42:49	7622575.37	754174.76	22.4	14.1	
	DR-2R1	20.7	7:42:53	7622575.54	754180.83	20.9	14.2	
	DR-4	21.1	7:44:19	7622749.55	754765.66	15.5		
	DR-4R1	21.4	7:44:23	7622749.72	754771.73	16.1		
	DR-3	20.7	7:46:58	7622657.01	753138.94	13.1		
	DR-3R1	20.8	7:47:04	7622657.01	753138.94	10.3		
	Remarks:				Action Taken:			
	DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.				
DR-3 exceeded 10% over background, taken out of plume				Re-test DR-3R1 was taken.				
on port side.				The dredge moved away from the area while continuing dredging to avoid				
				further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.				
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance	
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required	
DR-2	100' Down Current							
DR-3	300' Radially from point of dredge (Port or Starboard)							
DR-4	900' Down Current from point of dredging							
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point							

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Date: 12/04/2005							
Disposal Load Number 1501 Tidal Stage Ebb Dredge State: Split Hull Weather: Foggy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSP-1	19.5	8:10:39	7622708.46	735543.48	1.1	
	DSP-2	20.2	8:17:29	7622413.21	735959.09	11.4	14.1
	DSP-2R1	21.1	8:17:34	7622408.95	735959.21	8.2	14.2
	DSP-3	19.9	8:18:38	7622596.53	735808.03	18.7	
	DSP-3R1	19.9	8:18:43	7622596.70	735814.11	17.9	
	DSP-4	18.8	8:20:12	7622132.45	736587.07	8.5	
	DSP-4R1	20.4	8:20:16	7622128.37	736593.27	7.6	
Remarks:				Action Taken:			
DSP-2 exceeded 10% over background, taken in the plume.				Re-test DSP-2R1 was taken.			
DSP-4 exceeded 10% over background, taken in the plume.				Re-test DSP-4R1 was taken.			
DSP-3 exceeded 10% over background, taken out of plume.				Re-test DSP-3R1 was taken.			
on port side.				The disposal ended and the dredge moved away from the area.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DSP-2	100' Down Current						
DSP-3	150' Radially from point of dredge (Port or Starboard)						
DSP-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
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Date: 12/05/2005							
Dredging Load Number 1502 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Foggy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.6	9:07:20	7622832.23	753918.28	6.7	
	DR-2	19.3	9:08:47	7622684.50	754420.95	23.2	14.2
	DR-2R1	22.5	9:08:50	7622684.67	754427.03	22.4	14.2
	DR-4	20.5	9:10:07	7622812.21	755025.32	14.1	
	DR-4R1	20.7	9:10:10	7622812.38	755031.39	14.1	
	DR-3	20.4	9:12:36	7622724.28	753562.62	6.3	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 taken out of plume on port side.							
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
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Date: 12/05/2005							
Dredging <u>Load Number</u> 1503 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only <u>Weather:</u> Foggy <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.7	10:38:10	7622197.29	751985.42	7.9	
	DR-2	18.4	10:39:46	7622154.78	752697.09	13.8	14.2
	DR-2R1	18.7	10:39:49	7622150.70	752703.28	13.7	14.1
	DR-4	19.6	10:41:09	7622412.69	753284.23	10.8	
	DR-4R1	21.2	10:41:12	7622412.69	753284.23	11.3	
	DR-3	19.6	10:43:19	7622410.42	751790.13	15.7	
	DR-3R1	20.0	10:43:22	7622410.59	751796.21	15.2	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume on port side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
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Date: 12/05/2005							
Dredging <u>Load Number</u> 1504 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only <u>Weather:</u> Foggy <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	19.9	11:46:50	7623210.70	755263.39	7.3	
	DR-2	20.9	11:48:09	7623008.44	755687.78	18.6	14.1
	DR-2R1	20.9	11:48:12	7623008.44	755687.78	18.6	14.1
	DR-4	19.9	11:49:45	7623145.04	756262.28	13.5	
	DR-4R1	20.6	11:49:49	7623145.04	756262.28	13.5	
	DR-3	19.4	11:52:20	7623229.07	755007.54	15.4	
	DR-3R1	19.7	11:52:23	7623233.33	755007.42	13.5	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume on port side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
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Date: 12/05/2005							
Dredging Load Number 1505 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Cloudy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	19.7	13:24:04	7623483.88	754526.19	3.1	
	DR-2	21.8	13:26:51	7623354.18	754912.84	7.1	14.0
	DR-2R1	22.7	13:26:56	7623358.78	754924.86	6.6	14.0
	DR-4	19.6	13:29:20	7623421.76	755044.69	6.3	
	DR-4R1	20.9	13:29:23	7623426.19	755050.64	6.5	
	DR-3	21.1	13:32:05	7623487.77	753753.98	6.0	
	DR-3R1	21.1	13:32:09	7623487.77	753753.98	4.9	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume on port side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

Dredge Sugar Island Project Name/Location:		Contract Number: W9127N-05-C-0012					
Columbia River Channel Improvement - RM 95+00-104+20.							
Date: 12/05/2005							
Dredging Load Number 1506 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Sunny Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	21.4	14:55:22	7623660.07	754886.02	2.4	
	DR-2	19.4	14:57:34	7623492.82	755465.67	15.9	13.9
	DR-2R1	19.6	14:57:37	7623492.82	755465.67	15.6	13.8
	DR-4	20.7	14:59:07	7623621.80	756103.00	11.6	
	DR-4R1	20.8	14:59:10	7623626.22	756108.95	11.4	
	DR-3	20.7	15:02:28	7623625.50	754412.78	7.5	
	DR-3R1	20.5	15:02:31	7623625.50	754412.78	6.0	
Remarks:				Action Taken:			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume on port side.				Re-test DR-3R1 was taken.			
				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						